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**EUROPEAN PATENT APPLICATION**

⑰ Application number: 89200527.3

⑤ Int. Cl. 4: **B65D 77/24**

⑱ Date of filing: 02.03.89

③ Priority: 26.04.88 NL 8801080

④ Date of publication of application:  
08.11.89 Bulletin 89/45

⑥ Designated Contracting States:  
AT BE CH DE ES FR GB GR IT LI LU NL SE

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⑤A **Bag-shaped container.**

⑤ The invention relates to a bag-shaped container with a receiving capacity (3) for receiving seeds or the like and with a releasable marker section (8). Preferably the marker section (8) can be released from the remaining part of the container without additional tools, for example by a perforation (15).

**EP 0 340 817 A1**

### Bag-shaped container

The invention relates to a bag-shaped container with a receiving capacity for receiving seeds or the like.

Known containers for receiving seeds mostly are provided with an external indication of the contents of the container. After such a container has been opened and the seeds are brought into the soil this indication on the container however can no longer be used. For indicating the kind of seed that has been planted additional marker plates, strips or the like are used.

It is an object of the invention to provide a bag-shaped container of the type mentioned before that, after the seeds have been removed from the receiving capacity, can be used too.

For this purpose the bag-shaped container according to the invention is characterized in that it comprises a releasable stiff marker section that adjoins the receiving capacity without being part thereof.

After the seeds have been transferred from the container into the soil the marker section can be released from the remaining section of the container and be pushed into the soil near the planted seeds. On the marker section the kind of seeds are indicated.

According to a preferred embodiment of the container according to the invention the receiving capacity and the marker section are separated by a seal joint or an adhesive joint. This seal joint or adhesive joint can be manufactured simply during the fabrication of the container. Because the marker section and the receiving capacity are separated from each other it is avoided that seeds, remaining in the receiving capacity, can fall out or can be put into the soil together with the marker section unintentionally.

Further it is advantageous if according to a preferred embodiment of the bag-shaped container according to the invention in the seal joint or adhesive joint weakenings, such as perforations, are provided having a smaller width than these joints. Like this the marker section can be torn free simply from the remaining part of the container without the need for additional tools.

If the marker section basically comprises two interconnected wall portions that each form an integral continuation of a corresponding wall portions of the receiving capacity, the manufacturing of the bag-shaped container according to the invention is extremely simple. During a conventional manufacturing process of a bag-shaped container, whereby the circumferential walls are sealed, the marker section can be formed by providing an additional seal joint.

According to a handy embodiment of the container according to the invention the wall portions of the marker section enclose a strip-like reinforcement-part. By application of this reinforcement part the marker section obtains a large stiffness such that providing it in the soil does not render any problems. Moreover an embodiment is possible in which the reinforcement part and the wall portions are shaped integrally. Providing the strip-like reinforcement part between both wall portions of the marker section already can be carried out before providing the seal joints during the manufacturing of the container. Moreover it is possible that the marker section, after shaping the receiving capacity, is attached to the remaining container section.

For simplifying the application of the marker section into the soil it is preferred that the reinforcement part at its one end ends in a point. Hereby it is possible that the wall portions of the marker section at the respective locations have a corresponding shape.

Hereafter the invention will be elucidated by means of the drawing in which an embodiment of the container according to the invention is illustrated.

Figure 1 shows a frontal view of an embodiment of the container according to the invention, and

Figure 2 shows a section according to II - II in figure 1.

The bag-shaped container shown in figures 1 and 2 comprises a receiving capacity 3 limited by two wall portions 1 and 2 for receiving seed or the like. For defining the receiving capacity 3 the wall portions 1 and 2 are interconnected at their edges by joints, such as adhesive joints or seal joints 4 until 7.

The container is provided with a marker section 8 that at the joint 7 adjoins the receiving capacity 3. As appears clearly from figure 2 this marker section 8 basically comprises two interconnected wall portions 9 and 10 that each form an integral continuation of the corresponding wall portions 1 and 2 of the receiving capacity 3.

While enclosing a strip-like reinforcement part 11 the wall portions 9 and 10 are at their circumferential edges interconnected by the joint 7 and the joints 12 until 14. It is also possible however that the reinforcement part is as big as the marker section such that their side edges substantially coincide.

As appears clearly the joint 7 constitutes the division between the section of the container comprising the receiving capacity 3 and the marker

section 8. For simplifying the removal of the marker section 8 from the remaining part of the container perforations 15 are provided in the joint 7. The width of these perforations 15 is less than the width of the joint 7 such that the receiving capacity 3 remains closed notwithstanding the perforations 15.

Instead of the application of perforations 15 it is of course possible too, that different methods known per se are applied for releasing the marker section 8 from the remaining part of the container. It is also possible, that the marker section 8 has to be cut loose from the remaining part.

Figure 2 illustrates clearly that the reinforcement part 11 is shaped strip-like. Appropriate materials for the reinforcement part are among others metal, wood or plastic material.

At its lower end the reinforcement part 11 comprises a sharp point 16 such that the marker section 8, after being released from the remaining part of the container, can be pushed easily into the soil or the like. As appears clearly from figure 1 the wall portions 9 and 10 comprise near to the sharp point 16 of the reinforcement part 11 a corresponding tapering shape. However this is not necessary.

The invention is not limited to the embodiment described before but can be varied widely within the scope of the invention.

#### Claims

1. Bag-shaped container with a receiving capacity for receiving seeds or the like, **characterized** in that it comprises a releasable stiff marker section (8) that adjoins the receiving capacity (3) without being part thereof.

2. Bag-shaped container according to claim 1, **characterized** in that the receiving capacity (3) and the marker section are separated by a seal joint (7) or an adhesive joint (7).

3. Bag-shaped container according to claim 2, **characterized** in that in the seal joint (7) or adhesive joint (7) weakenings, such as perforations (15), are provided having a smaller width than these joints (7).

4. Bag-shaped container according to one of the claims 1-3, **characterized** in that the marker section (8) basically comprises two interconnected wall portions (9,10) that each form an integral continuation of a corresponding wall portions (1,2) of the receiving capacity (3).

5. Bag-shaped container according to claim 4, **characterized** in that the wall portions (9,10) of the marker section (8) enclose a strip-like reinforcement part (11).

6. Bag-shaped container according to claim 5, **characterized** in that the reinforcement part (11) at its one end ends in a point (16).

7. Bag-shaped container according to claim 5 or 6, **characterized** in that the reinforcement part (11) is fabricated from metal, wood or plastic material.

8. Bag-shaped container according to one of the claims 5-7, **characterized** in that the reinforcement part (11) and the wall portions (9,10) are shaped integrally.

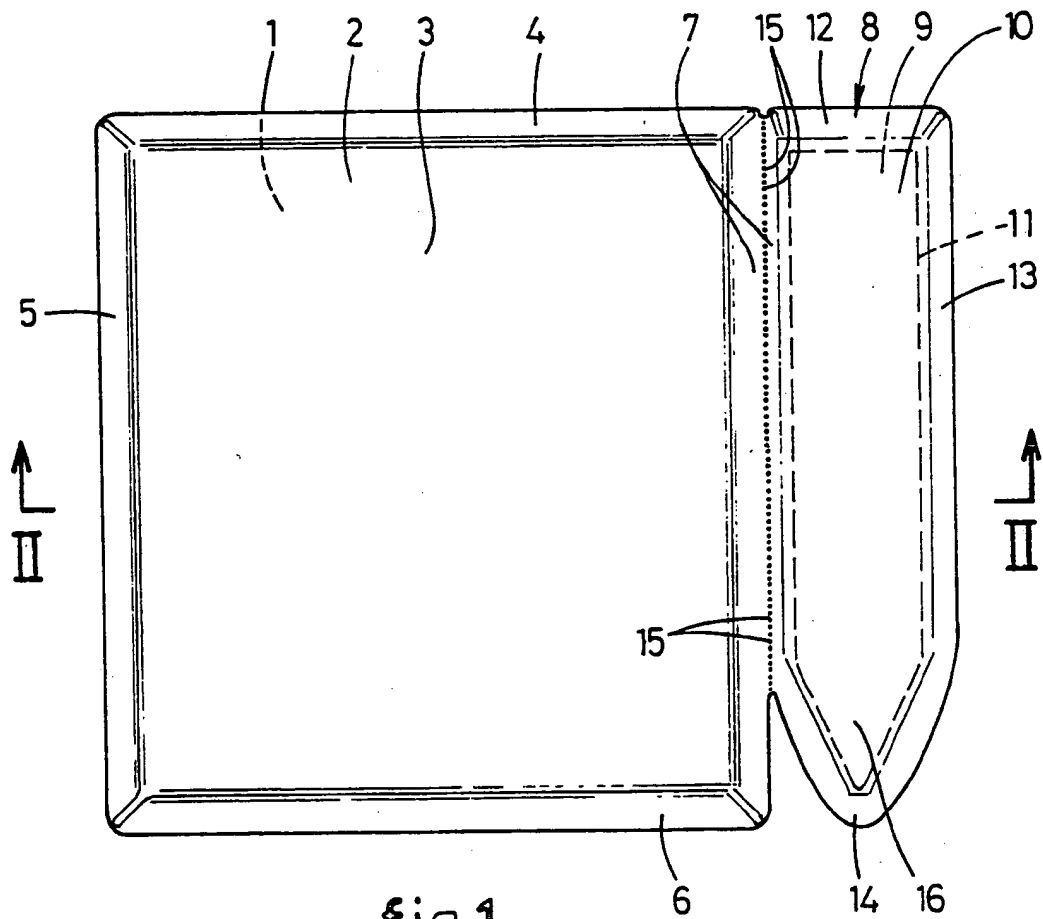


fig.1

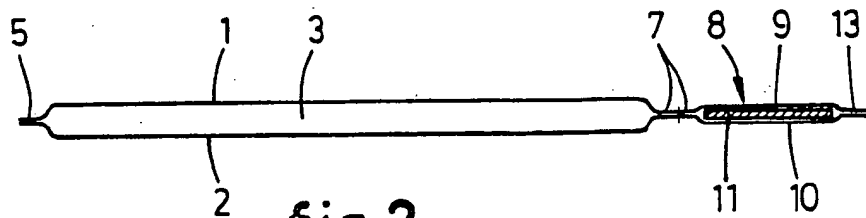


fig.2



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number

EP 89 20 0527

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A-3 670 927 (HUBBARD) * Column 2, lines 20-56; figures 1,2 * ---	1,2,4-6	B 65 D 77/24
X	US-A-2 294 567 (MOONEY) * Page 1, column 2, lines 18-26; figures 1,2 * ---	1	
X	FR-A-1 185 220 (FEST) * Page 1, column 2, lines 7-23; figure 1 * ---	1,2,4,5	
A	GB-A- 620 095 (HAILEY) ---		
A	US-A-2 732 064 (QUACKENBUSH) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 65 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25-07-1989	Examiner VANTOMME M.A.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPD FORM 1503 03.82 (P0401)